

Laboratory and Epidemiological Public Health Information Tracking and Reporting System

Windows is a data management system combining all the features of the LITS and PHLIS systems PLUS Internet connectivity. This client server system provides for seamless integration of laboratory and epidemiologic data. LITS PLUS includes

outbreak detection,

rapid surveillance

reporting and

laboratory data

management.

Data Management

- Build your own modules (to include screen layout/design)
- Create your own questions and data validation rules
- Browser or client server based data entry and query
- Expandable and scalable
- Spreadsheet capability
- Data audit trail
- Capability to incorporate data standards
- Online Help
- Language translation engine*

System integration

- EDI (Electronic Data Import)*
 HL7 import and export capability
- User definable imports
- User definable exports
- Ability to link to MS Excel
- Ability to link to OLE compliant graphics and geographical information systems

Epi Data Analysis

- Drop in data analysis and graphics tools
- Outbreak detection (Salmonella Outbreak Detection (SODA))*
- Strain matching program

Laboratory Data Management

- Specimen tracking
- Designed to interface with ASTRO
- Standard 'boiler plate' comment capability
- User defined reports
- Freezer storage module

Data Reporting

- Internet (direct entry into central database)
- Pyramid reporting*
- Assimilation of data from successively lower sites*
- Dissemination of program modules via Internet*

Current Users

- 100 PHLIS sites in the US
- 16 CDC LITS laboratories
- 2 DOD LITS OCONUS labs

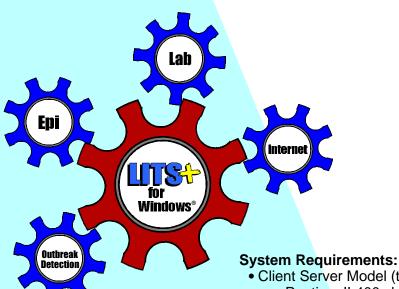
CDC Partners

- DOD
- PAHO
- APHL

Security

- Application level security by defining roles (ie: Supervisor) and module specific rights
- User access to data only through the application
- Internet based transport and firewall security in compliance with CDC's standards

^{*}Currently implemented in PHLIS 3.3. Will be implemented in LITS+ for Windows®



Client Server Model (typical)

Pentium II 400 class database server

256 meg ram

NT operating system

MS SQL server

TCP/IP protocol

Pentium 200 class machine

32 meg ram

Win 95/98/NT

- Stand-alone Model
 - Pentium II 400 class

128 meg ram

10 gig hard drive

Win 95/98/NT

Stand-alone database

MS SQL 7.0

Sybase SQL Anywhere

Personal Oracle 8.0

- Intranet/Internet
 - Support for both Netscape & Microsoft Browsers 4.x or greater
 - Currently running on MS Internet Information Server 4.0
 - Employs the use of Active Server Pages, JavaScript & application objects
 - Firewall capabilities to protect database



Further Information on **LITS** *PLUS* is available from:

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